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(71) Applicants (for all designated States except US): **TOYOTA JIDOSHA KABUSHIKI KAISHA** [JP/JP]; 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 (JP). **TOYODA KOKI KABUSHIKI KAISHA** [JP/JP]; 1-1, Asahi-machi, Kariya-shi, Aichi-ken 448-8652 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ANDO, Atsushi** [JP/JP]; c/o Toyota Koki Kabushiki Kaisha, 1-1, Asahi-machi, Kariya-shi, Aichi-ken 448-8652 (JP). **SATO, Tomohiko** [JP/JP]; c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 (JP). **MATSUMOTO, Takumi** [JP/JP]; c/o Toyota Jidosha

Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 (JP). **YAMAMOTO, Takeo** [JP/JP]; c/o Toyota Jidosha Kabushiki Kaisha, 1, Toyota-cho, Toyota-shi, Aichi-ken 471-8571 (JP).

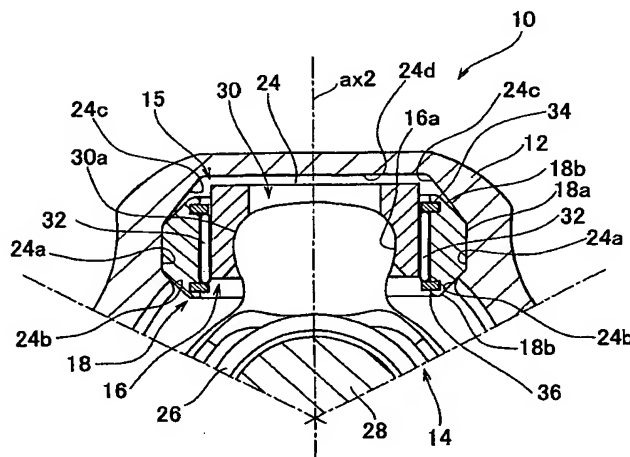
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(54) Title: **CONSTANT VELOCITY UNIVERSAL JOINT**



(57) Abstract: In a constant velocity universal joint (10) including a double roller type roller unit (15), a cylindrical surface (18a) is formed in a radially outer surface of the outer roller (18); a flat engagement surface (24a) which is engaged with the cylindrical surface (18a) is formed in each of the guide grooves (24) of the outer joint member (12); and the cylindrical surface (18a) satisfies following two equations, $W1 > PCR(1 - \cos \theta) / 2 + \mu_3 R3 + \mu_2 R1$ $W2 > 3PCR(1 - \cos \theta) / 2 - \mu_3 R3 + \mu_2 R1$, wherein W1, W2: a length from a center of the cylindrical surface (18a) to each of axially both end portions; PCR: a distance from an axis of the inner joint member (14) to a center of the convex sphere (30a) of each of the leg shafts (30); θ : a required maximum joint angle; R1, R3: radii of the cylindrical surface (18a) and the concave sphere (16a), respectively; and μ_2, μ_3 : friction coefficients between the inner roller (16) and the outer roller (18), and between the convex sphere (30a) and the concave sphere (16a), respectively.

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